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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/761,648	01/21/2004	David C. Curtis	M314	3331
30406	7590	07/17/2006		
ROBERT L. MARSH			EXAMINER	
54 DANADA DRIVE			SORKIN, DAVID L	
P.O. BOX 4468				
WHEATON, IL 60187-4468			ART UNIT	PAPER NUMBER
			1723	

DATE MAILED: 07/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/761,648	CURTIS, DAVID C.
	<b>Examiner</b>	<b>Art Unit</b>
	David L. Sorkin	1723

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 03 July 2006.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 2-4,6-10 and 13-16 is/are pending in the application.
  - 4a) Of the above claim(s) 13 is/are withdrawn from consideration.
- 5) Claim(s) 7-10 is/are allowed.
- 6) Claim(s) 2-4,6 and 14-16 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 03 July 2006 has been entered.

### ***Claim Rejections - 35 USC § 112***

2. Claims 2-4, 6 and 14-16 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. In independent claims 3 and 14, the range "at least one hundred twenty degrees" is considered new matter. Applicant argues that "The one hundred twenty degree angle is in fact the minimum angle as disclosed in the specification, rather than the one hundred degrees originally set forth in the claims; see page 3 line 22 to page 4 line 3 and page 9 lines 9 to 16 of the present specification". However, this statement is not accurate. Page 4 line 2 reads "angle of at least one hundred degrees". The angle one hundred twenty degrees is not mentioned at all on page 3 line 22 to page 4 line 3 or page 9 lines 9 to 16. In fact, page 9 lines 9 to 16 discuss a timing device and don't mention any angle information at all. Applicant is invited to check the PAIR system to view the original specification as filed.

***Allowable Subject Matter***

3. Claims 7-10 are allowed.

***Response to Arguments***

4. Applicant argues that "The one hundred twenty degree angle is in fact the minimum angle as disclosed in the specification, rather than the one hundred degrees originally set forth in the claims; see page 3 line 22 to page 4 line 3 and page 9 lines 9 to 16 of the present specification". However, this statement is not accurate. Page 4 line 2 reads "angle of at least one hundred degrees". The angle one hundred twenty degrees is not mentioned at all on page 3 line 22 to page 4 line 3 or page 9 lines 9 to 16. In fact, page 9 lines 9 to 16 discuss a timing device and don't mention any angle information at all. Applicant is invited to check the PAIR system to view the original specification as filed.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David L. Sorkin whose telephone number is 571-272-1148. The examiner can normally be reached on 9:00 -5:30 Mon.-Fri..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wanda L. Walker can be reached on 571-272-1151. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



David L. Sorkin  
Primary Examiner  
Art Unit 1723

DLS